

What is claimed is:

1. A photosensitive silver halide photographic emulsion comprising a silver iodide content of 41 mol% or more and 100 mol% or less and including a silver halide to which reduction sensitization is applied in the course of particle formation.
2. A photosensitive silver halide photographic emulsion according to claim 1, wherein the reduction sensitization is applied in the presence of at least one selected from the group consisting of a bromide ion, a chloride ion, a chalcogen ion, a pseudo halide ion and an ion of a transition metal belonging to at least one of groups 3 to 12 in the Periodical Table.
3. A heat-developable photosensitive material comprising a support, and an image forming layer including a photosensitive silver halide, a non-photosensitive organic silver salt, a reducing agent and a binder, wherein the photosensitive silver halide is the silver halide according to claim 1.
4. A photosensitive silver halide photographic emulsion according to claim 1, wherein the reduction sensitization is applied in the presence of a bromide ion or a chloride ion.
5. A photosensitive silver halide photographic emulsion according to claim 2, wherein the chalcogen ion is selected from at least one of a sulfide ion, a selenide ion and a telluride ion.
6. A photosensitive silver halide photographic emulsion

according to claim 2, wherein the pseudo halide ion is selected from at least one of a thiocyanate ion, a selenocyanate ion, a tellurocyanate ion and a cyanate ion.

7. A photosensitive silver halide photographic emulsion according to claim 2, wherein the ions of a transition metal belonging to at least one of groups 3 to 12 in the Periodical Table is a complex ion.

8. A photosensitive silver halide photographic emulsion according to claim 1, to which reduction sensitization is applied at pAg of 1.5 to 7.5.

9. A photosensitive silver halide photographic emulsion according to claim 1, to which chalcogen sensitization or gold-chalcogen sensitization is applied.

10. A photosensitive silver halide photographic emulsion according to claim 9, wherein the chalcogen sensitization is selected from tellurium sensitization, selenium sensitization and sulfur sensitization.

11. A photosensitive silver halide photographic emulsion according to claim 1, wherein the photosensitive silver halide contains 80 mol% to 100 mol% of silver iodide.

12. A photosensitive silver halide photographic emulsion according to claim 1, wherein the photosensitive silver halide contains 1 mol% to 10 mol% of silver bromide or silver chloride.

13. A photosensitive silver halide photographic emulsion according to claim 1, wherein the grain size of the

photosensitive silver halide is from 10 nm to 45 nm.

14. A photosensitive silver halide photographic emulsion according to claim 1, wherein the photosensitive silver halide is tabular particles with an aspect ratio of 2 or more.

15. A photosensitive silver halide photographic emulsion according to claim 1, comprising a compound which generates two electrons with one photon.

16. A photosensitive silver halide photographic emulsion according to claim 1, comprising a compound which has an adsorptive group and a reducing group.

17. A heat-developable photosensitive material according to claim 3, wherein the heat developable photosensitive material is exposed to laser light.

18. A silver halide photographic emulsion comprising 41 mol% to 100 mol% of silver iodide and subjected to at least one of chalcogen sensitization and gold sensitization to the insides of particles.

19. A silver halide photographic emulsion according to claim 18, subjected to both chalcogen sensitization and gold sensitization.

20. A heat-developable photosensitive material comprising at least a photosensitive silver halide, a non-photosensitive organic silver salt, a reducing agent and a binder on one surface of a support, wherein the silver halide is the silver halide according to claim 18.

21. A photosensitive silver halide photographic emulsion according to claim 18, wherein the chalcogen sensitization is selected from sulfur sensitization, selenium sensitization and tellurium sensitization.

22. A photosensitive silver halide photographic emulsion according to claim 18, wherein both the chalcogen sensitization and the gold sensitization are applied in the course of particle formation.

23. A photosensitive silver halide photographic emulsion according to claim 18, wherein reduction sensitization is further applied.

24. A photosensitive silver halide photographic emulsion according to claim 18, wherein the photosensitive silver halide contains 80 mol% to 100 mol% of silver iodide.

25. A photosensitive silver halide photographic emulsion according to claim 18, wherein the photosensitive silver halide contains 1 mol% to 10 mol% of silver bromide or silver chloride.

26. A photosensitive silver halide photographic emulsion according to claim 18, wherein the grain size of the photosensitive silver halide is from 10 nm to 45 nm.

27. A photosensitive silver halide photographic emulsion according to claim 18, wherein the photosensitive silver halide is tabular particles with an aspect ratio of 2 or more.

28. A photosensitive silver halide photographic emulsion according to claim 18, comprising at least one of a compound

having an adsorptive group and a reducing group and a compound in which a one electron oxidant generated by means of one electron oxidation can release at least one electron.

29. A photosensitive silver halide photographic emulsion according to claim 18, wherein the photosensitive silver halide is exposed to laser light.

30. A heat-developable photosensitive material according to claim 20, further comprising at least one of a compound having an adsorptive group and a reducing group and a compound in which a one electron oxidant generated by means of one electron oxidation can release at least one electron.

31. A heat-developable photosensitive material according to claim 20, wherein the heat developable photosensitive material is exposed to laser light.